

Mohamed Fouda

Full Stack Developer | Backend Focused .Net

Cairo, Egypt mfouda1810@gmail.com | +20 102 248 4017 [GitHub Profile](#) | [LinkedIn Profile](#)

Summary

Full stack Developer (Backend Focused) with practical internship experience in backend engineering. Proficient in building scalable APIs using ASP.NET Core, Node.js, and SQL Server. optimizing API performance and implementing secure authentication protocols. Strong algorithmic foundation with **over 50 problems solved on LeetCode**. Adept at applying Clean Architecture, SOLID principles, and CI/CD pipelines to deliver high-quality software solutions.

Education

Bachelor of Computer Science *Future University in Egypt* | Sep 2022 – May 2026

Experience

.NET Backend Developer Intern | Route Company (*Feb 2025 – Jun 2025*)

- Developed backend services using **ASP.NET Core MVC** and **Web API** Implemented **Entity Framework Core**, Repository Pattern, and Dependency Injection to ensure maintainable code.
- Designed efficient CRUD APIs and managed database relationships.

Node.js Developer Intern | AITB Company (*Jul 2025 – Sep 2025*)

- Built RESTful APIs using **Node.js** and **Express.js**.
 - Implemented authentication, authorization, file uploads, and automated email services.
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Technical Skills

- Languages:** C#, C++, Java, Python, JavaScript • **Databases:** SQL Server, MySQL, MongoDB
 - Backend:** ASP.NET Core (MVC & Web API), Node.js (Express.js), Django
 - DevOps & Tools:** Docker, Git, GitHub Actions (CI/CD), Postman • **Frontend:** Angular, React, HTML, CSS
 - Concepts:** REST API design, Clean Architecture, SOLID principles, Unit Testing (xUnit, Moq), JWT Authentication, SignalR, LINQ
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Projects

Git Academy | Full-Stack Online Courses Platform (*.NET 9 + React.js*)

- Architected a scalable platform using **.NET 9 Web API**, **React**, and **Clean Architecture**.
- Integrated **Stripe** for payments, **Google OAuth** for login, and **Gmail (SMTP)** for notifications.

- Features include role-based access (Instructor, Student, Admin), file/video uploads, enrollment management, and a real-time chat/notification hub using **SignalR**.
- Automated deployment via **Docker** and **GitHub Actions**.
- Developed unit tests with **xUnit** and **Moq** to ensure code reliability.

Electronics Shop | Full-Stack E-commerce Platform (.NET 8 + Angular 18)

- Built a robust e-commerce solution using **.NET 8 Web API** and **Angular 18**.
- Implemented Clean Architecture, JWT Authentication, payment integration, image uploads, and advanced product filtering/pagination.
- Configured CI/CD pipelines with **Docker** and **GitHub Actions**.

Chat Application | Real-Time Communication App (.NET 8 + Angular + SignalR)

- Developed a real-time messaging app using **ASP.NET Core SignalR** and **Angular**.
- Features include friend requests, video calls, image sharing, room chatting, online status indicators, and persistent message history, unit testing for messaging and notification services.

Booking | Villa Reservation System (.NET 8 Web MVC)

- Built a reservation system using **ASP.NET Core Web MVC**, **EF Core**, and the Repository + Unit of Work pattern.
- Includes full **ASP.NET Identity** authentication, an admin reporting dashboard, calendar integration, and invoice generation.

Job Portal | Job Board Application (MERN Stack)

- Implemented a job board using **Node.js**, **Express**, and **React**.
- Features include resume uploads, job saving, advanced filtering, and distinct dashboards for employers and job seekers.

Soft Skills

- Effective Team Collaboration and Communication • Incident Reporting and Problem Solving
- Continuous Learning and Adaptability

Languages

- **Arabic:** Native • **English:** Professional Proficiency

Courses & Training

- ASP.NET Core MVC & Web API • [Node.js](#) & [Express.js](#) Backend Development • Docker and CI/CD Pipelines
- Unit Testing with xUnit and Moq